B-504-H2

(This sheet must be accompanied with B-504-B1 or B2 or B3 or E1 or E2 or E3)

Note to Designer:
Refer to Bridge Design Manual (BDM) for Design Criteria and Examples

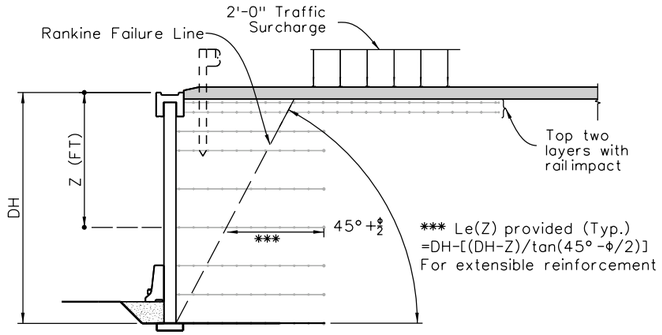
DH or Z (FT.)	* SPACING (IN.)	σH (LB./FT.)	** ΣσH×spacing (LB./FT.)	*** Le (FT.)
0.667	12	163.268	1.009E+03	23.341
1.333	12	198.961	2.041E+03	12.394
2.000	NA	230.766	2.195E+03	NA
2.667	16	262.571	2.370E+03	2.059
3.333	NA	294.377	2.567E+03	NA
4.000	24	326.182	2.784E+03	2.595
4.667	NA	357.988	3.023E+03	NA
5.333	NA	389.793	3.283E+03	NA
6.000	NA	421.599	3.564E+03	NA
6.667	32	453.404	3.866E+03	2.92
7.333	NA	485.209	4.189E+03	NA
8.000	NA	517.015	4.534E+03	NA
8.667	NA	548.82	4.900E+03	NA
9.333	32	580.626	5.287E+03	2.685
10.000	NA	612.431	5.695E+03	NA
10.667	NA	644.237	6.125E+03	NA
11.333	NA	676.042	6.576E+03	NA
12.000	28	707.847	7.047E+03	2.234
12.667	NA	739.653	7.541E+03	NA
13.333	NA	771.458	8.055E+03	NA
14.000	24	803.264	8.590E+03	1.865
14.667	NA	835.069	9.147E+03	NA
15.333	NA	866.875	9.725E+03	NA
16.000	24	898.68	1.032E+04	1.828
16.667	NA	930.485	1.094E+04	NA
17.333	NA	962.291	1.159E+04	NA
18.000	24	994.096	1.225E+04	1.798
18.667	NA	1.03E+03	1.293E+04	NA
19.333	NA	1.06E+03	1.364E+04	NA
20.000	24	1.09E+03	1.436E+04	1.775
20.667	NA	1.12E+03	1.511E+04	NA
21.333	NA	1.15E+03	1.588E+04	NA
22.000	24	1.19E+03	1.667E+04	1.756
22.667	NA	1.22E+03	1.748E+04	NA
23.333	NA	1.25E+03	1.831E+04	NA
24.000	24	1.28E+03	1.917E+04	1.74
24.667	NA	1.31E+03	2.004E+04	NA
25.333	NA	1.34E+03	2.094E+04	NA
26.000	24	1.38E+03	2.186E+04	1.727
26.667	NA	1.41E+03	2.279E+04	NA
27.333	NA	1.44E+03	2.375E+04	NA
28.000	20	1.47E+03	2.473E+04	1.429
28.667	NA	1.50E+03	2.574E+04	NA
29.333	16	1.54E+03	2.676E+04	1.139
30.000	NA	1.57E+03	2.780E+04	NA
30.667	16	1.60E+03	2.887E+04	1.135
31.333	NA	1.63E+03	2.996E+04	NA
32.000	16	1.66E+03	3.106E+04	1.131
32.667	NA	1.69E+03	3.219E+04	NA
33.333	16	1.73E+03	3.334E+04	1.127
34.000	NA	1.76E+03	3.452E+04	NA
34.667	16	1.79E+03	3.571E+04	1.124
35.333	NA	1.82E+03	3.692E+04	NA
36.000	12	1.85E+03	3.816E+04	0.841
36.667	8	1.89E+03	3.941E+04	0.56
37.333	8	1.92E+03	4.069E+04	0.559
38.000	8	1.95E+03	4.199E+04	0.558
38.667	8	1.98E+03	4.331E+04	0.558
39.333	8	2.01E+03	4.465E+04	0.557
40.000	4	2.04E+03	4.601E+04	0.278

Note: Table is for both extensible and inextensible soil reinforcement.

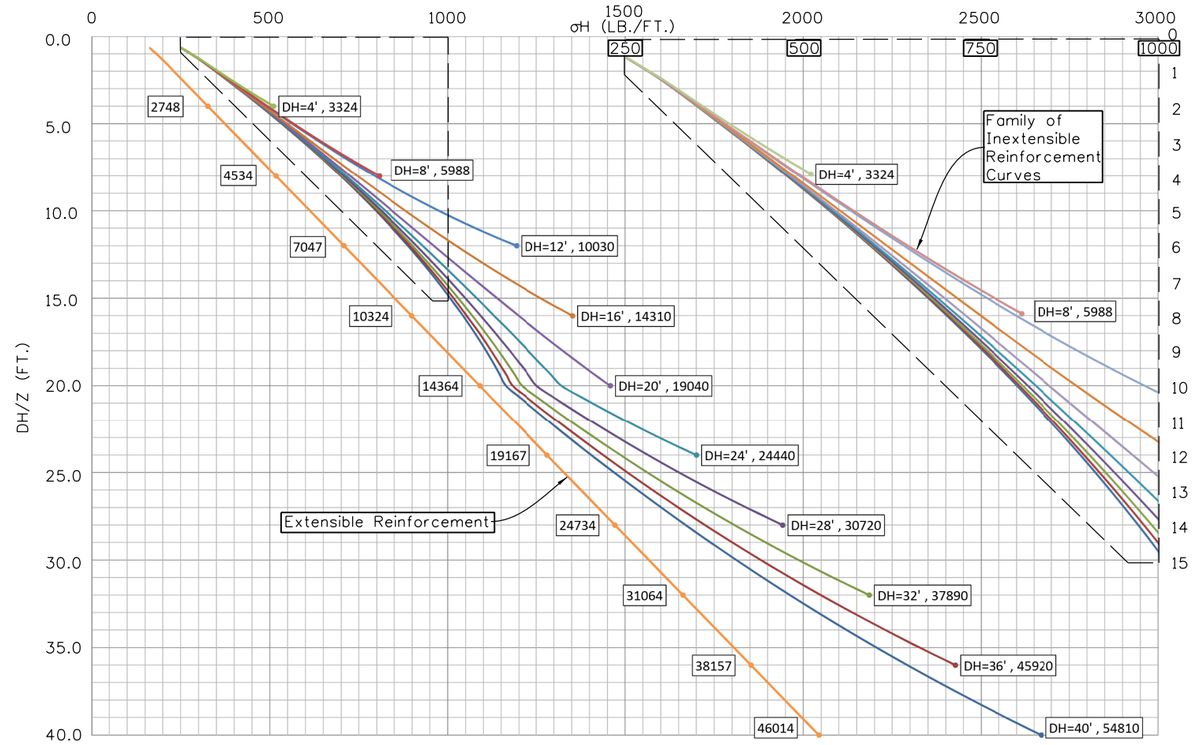
* Example spacing

** Summation of σH above Z includes rail impact.

*** Le based on extensible, 0.8xLe for inextensible. Le of top two layers are not developed, layers used for avoiding roadway tension cracks.



APPLICATION DIAGRAM (DH=16' AS SHOWN)



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File Name: Sheet_B-504-H2.dgn					
Horiz. Scale: As Noted	Vert. Scale: As Noted				
Staff Bridge Branch-Unit 0XXX	Unit Leader Initials				

Sheet Revisions		
Date:	Comments	Init.

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Staff Bridge Branch Initials

As Constructed	
No Revisions:	
Revised:	
Void:	

LRFD MSE WALL FOR BLOCK AND PANEL FACING WITH ROADWAY RAIL DESIGN CHARTS/TABLE

Designer:	XXXXXXX	Structure Numbers	Wall-X-XX-XX
Detailer:	XXXXXXX		Wall-X-XX-XX
Sheet Subset:	Wall	Subset Sheets:	WXX of XXX

Project No./Code
Project Number
Code
Sheet Number

Revision Dates (Preliminary Stage Only): 09-16

Design	INITIAL	DATE
Designed By		
Checked By		

Detail	INITIAL	DATE
Detailed By		
Checked By		

Quantities	INITIAL	DATE
Quantities By		
Checked By		

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